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**1. Document ID: US 5955111 A**

Entry 1 of 2

File: USPT

Sep 21, 1999

US-PAT-NO: 5955111

DOCUMENT-IDENTIFIER: US 5955111 A

TITLE: Methods and compositions for inducing production of stress proteins

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perdrizet; George A.	South Glastonbury	CT	N/A	N/A

US-CL-CURRENT: 424/643; 424/641, 424/650, 514/493, 514/494

## ABSTRACT:

The present invention relates to compositions and methods of production of stress proteins using tin or zinc metal ions. The invention relates to methods of protecting a mammal against injury caused by a noxious condition by administering to the mammal tin or zinc metal ions in sufficient quantity and under appropriate conditions to induce production of stress proteins at sufficient levels to provide partial or complete protection against injury caused by a noxious condition which occurs subsequent to stress protein production. The invention also relates to methods of inducing stress protein production in a mammal by administering tin or zinc metal ions in sufficient quantity and under appropriate conditions to induce production of stress proteins to protect the mammal against injury caused by a noxious condition. The invention also relates to compositions comprising tin or zinc metals, stress proteins, and/or agents which enhance or prolong the activity of stress proteins or which aid in the uptake of the heavy metal ions into the tissue.

20 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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**2. Document ID: AU 9925609 A, WO 9937331 A1**

Entry 2 of 2

File: DWPI

Aug 9, 1999

4-2-00

DERWENT-ACC-NO: 1999-458612

DERWENT-WEEK: 200001

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TITLE: TITLE - New genetic construct, useful for gene therapy of cancers

INVENTOR: DELGADO, R; NABEL, G J ; YANG, Z

PRIORITY-DATA:

1998US-0072033

January 21, 1998

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 9925609 A	August 9, 1999	N/A	000	A61K048/00
WO 9937331 A1	July 29, 1999	E	073	A61K048/00

INT-CL (IPC): A61K 48/00; C07H 21/04; C12N 5/10; C12N 15/40; C12N 15/63; C12N 15/86

ABSTRACTED-PUB-NO: WO 9937331A

BASIC-ABSTRACT:

NOVELTY - A genetic construct (I) comprising a gene linked to a carrier (II), is new. The carrier is associated with a transmembrane form of viral glycoprotein (III) or its derivative.

ACTIVITY - Cytostatic; cytotoxic; angiogenic; immunomodulatory; vasotropic.

MECHANISM OF ACTION - None given.

USE - (I) Within (II) may be administered to patients. This may be performed ex vivo by transfect an endothelial, hepatocyte, dendritic or monocyte cell population with (I) within (II). This group of cells is then be administered to a patient. Alternatively (I) within (II) may be administered directly to patients to target (I) to endothelial, hepatocyte, dendritic or monocyte cells within the body as part of a gene therapy regime. This protocol may be used to treat cancers where (I) codes for a cytostatic or cytotoxic protein such as p21 or p27. The method may also be used to treat cardiovascular or ischemic vascular disease where (I) encodes angiogenic factors such as VEGF or basic or acidic FGFs. Vasoplasm may also be treated this way if (I) encodes NO synthase or heme oxygenase. In addition monocytes and dendritic cells may be targeted with genes encoding immunogens for cell-targeted immunization.

ADVANTAGE - No stated advantage given in the specification.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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**1. Document ID: US 5955111 A**

Entry 1 of 2

File: USPT

Sep 21, 1999

DOCUMENT-IDENTIFIER: US 5955111 A

TITLE: Methods and compositions for inducing production of stress proteins

## ORPL:

Abraham, N.G. et al., "Transfection of the Human Heme Oxygenase Gene into Rabbit Coronary Microvessel Endothelial Cells: Protective Effect Against Heme and Hemoglobin Toxicity," Proc. Natl. Acad. Sci. USA, vol. 92, 6798-6802 (1995).

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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**2. Document ID: AU 9925609 A, WO 9937331 A1**

Entry 2 of 2

File: DWPI

Aug 9, 1999

DERWENT-ACC-NO: 1999-458612

COPYRIGHT 2000 DERWENT INFORMATION LTD

TITLE: TITLE - New genetic construct, useful for gene therapy of cancers

## ABTX:

USE - (I) Within (II) may be administered to patients. This may be performed ex vivo by transfect an endothelial, hepatocyte, dendritic or monocyte cell population with (I) within (II). This group of cells is then be administered to a patient. Alternatively (I) within (II) may be administered directly to patients to target (I) to endothelial, hepatocyte, dendritic or monocyte cells within the body as part of a gene therapy regime. This protocol may be used to treat cancers where (I) codes for a cytostatic or cytotoxic protein such as p21 or p27. The method may also be used to treat cardiovascular or ischemic vascular disease where (I) encodes angiogenic factors such as VEGF or basic or acidic FGFs. Vasoplasm may also be treated this way if (I) encodes NO synthase or heme oxygenase. In addition monocytes and dendritic cells may be targeted with genes encoding immunogens for cell-targeted immunization.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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